

WEST**Freeform Search****Database:**

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Term:

L7 with 14

Display: **Documents in Display Format:** **Starting with Number**
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DATE: Monday, July 14, 2003 [Printable Copy](#) [Create Case](#)

Set Name **Query**
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 result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

<u>L8</u>	L7 with 14	16	<u>L8</u>
<u>L7</u>	L6 or 15	808928	<u>L7</u>
<u>L6</u>	complex or complexed	780175	<u>L6</u>
<u>L5</u>	lactone	41583	<u>L5</u>
<u>L4</u>	L3 with 12	113	<u>L4</u>
<u>L3</u>	oligonucleotide or nucleic acid or oligo	134596	<u>L3</u>
<u>L2</u>	camptothecin	2268	<u>L2</u>
<u>L1</u>	camptothecin with (oligonucleotide)	0	<u>L1</u>

END OF SEARCH HISTORY

WEST**End of Result Set**

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L8: Entry 16 of 16

File: DWPI

Apr 20, 2000

DERWENT-ACC-NO: 2000-329047

DERWENT-WEEK: 200028

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TITLE: New chemotherapeutic compositions comprising an oligonucleotide-camptothecin in drug complex, useful for treating cancers in a combination therapy

Basic Abstract Text (1):

NOVELTY - A chemotherapeutic composition comprising an oligonucleotide-camptothecin (ON-CT) drug complex, which incorporates active lactone CT drug, where the CT drug dissociates from the ON within the body, and exerts its therapeutic activities, is new.

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L8: Entry 8 of 16

File: USPT

Jul 28, 1998

DOCUMENT-IDENTIFIER: US 5786344 A

**** See image for Certificate of Correction ****

TITLE: Camptothecin drug combinations and methods with reduced side effects

Detailed Description Text (3):

In normal cells, topoisomerase 1 produces relaxation of the supercoiled DNA by binding to a single strand of the nucleic acid to form a "cleavable complex" ('Arpa & Liu, 1989). Formation of the complex is followed by a break in the DNA strand thereby promoting passage of the unbroken strand. The break is then resealed by topoisomerase. Camptothecins block this resealing step by forming a ternary complex with the DNA and topoisomerase 1 resulting in an accumulation of cleavable complexes and inhibition of nucleic acid synthesis.

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L8: Entry 9 of 16

File: USPT

Oct 29, 1991

DOCUMENT-IDENTIFIER: US 5061800 A
TITLE: Camptothecin derivatives

Brief Summary Text (5):

Camptothecin represented by the following structural formula: ##STR2## is an alkaloid extracted and isolated from *Camptotheca accuminata* (Nyssaceae), etc., which has a pentacyclic structure consisting of a characteristic fused 5-ring system consisting of quinoline (rings A and B), pyrroline (ring C), .alpha.-pyridone (ring D) and a six-membered lactone (ring E) and is distinguished by displaying a strong inhibitory activity toward biosynthesis of nucleic acid. In addition, camptothecin is a unique anti-tumor substance characterized by its rapid and reversible action, its lack of any cross-tolerance with the existing anti-tumor agents and by exhibiting a strong anti-tumor activity against experimentally transplanted carcinoma such as leukemia L-1210 in mice or Walker 256 tumor in rats. Although camptothecin is still regarded as one of the most potent substances possessing anti-tumor activity, the use of this compound itself for clinical treatments is significantly limited because of high toxicity. Moreover, camptothecin and the majority of derivatives thereof involve a problem of poor solubility in case of administration as medicaments.

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L8: Entry 12 of 16

File: USPT

Oct 8, 1985

DOCUMENT-IDENTIFIER: US 4545880 A

TITLE: Photochemical process for preparing camptothecin derivatives

Brief Summary Text (5):

Camptothecin is a cytotoxic alkaloid isolated from leaves and barks of Camptotheca accuminata (Nyssaceae), a plant native to China, which has a pentacyclic structure consisting of a characteristic fused 5-ring system of quinoline (rings A and B), pyrroline (ring C), .alpha.-pyridone (ring D) and a six-membered lactone (ring E) and is distinguished by displaying a strong inhibitory activity toward biosynthesis of nucleic acid. In addition, camptothecin is a unique anti-tumor substance characterized by its rapid and reversible action and its lack of any cross-tolerance with the existing anti-tumor agents and by exhibiting a strong anti-tumor activity against experimentally transplanted carcinoma such as leukemia L-1210 in mice or Walker 256 tumor in rats. Although camptothecin is still regarded as one of the most potent substances possessing anti-tumor activity, the use of this compound itself for clinical treatments is significantly limited because of high toxicity.